

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("0000600").PN.	USPAT; USOCR	OR	OFF	2007/11/07 17:07
S2	936	(600/437).CCLS.	USPAT; USOCR	OR	OFF	2006/09/22 10:32
S3	1691	amemiya	USPAT	OR	OFF	2006/09/22 10:32
S4	11209	shinichi	USPAT	OR	OFF	2006/09/22 10:32
S5	12830	shinichi amemiya	USPAT	OR	OFF	2006/09/22 10:38
S6	0	("66922440").PN.	USPAT; USOCR	OR	OFF	2006/09/22 10:38
S7	0	("10246057").PN.	USPAT; USOCR	OR	OFF	2006/09/22 10:39
S8	4	("10246057").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/22 10:39
S9	2	("6692440").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/22 10:49
S10	471	amemiya.in.	USPAT	OR	OFF	2006/09/22 10:50
S11	45	amemiya.in. and shinichi.in.	USPAT	OR	OFF	2006/09/22 13:32
S12	410	ultrasonic and analog adj switch	USPAT	OR	OFF	2006/09/22 13:32
S13	404	ultrasonic adj diagnostic adj apparatus	USPAT	OR	OFF	2006/09/22 13:34
S14	66430	analog switch and transmitter	USPAT	OR	OFF	2006/09/22 13:36
S15	68560	S13 adn S14	USPAT	OR	OFF	2006/09/22 13:36
S16	10	("4092867"   "4872145"   "5509413"   "5542425"   "5610509"   "5640960"   "5928169"   "6375619"   "6398734"   "6499348").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/22 13:59
S17	2892	600/437	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/22 14:08
S18	178	600/446	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/22 14:10
S19	1485	600/459	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/22 14:10

## EAST Search History

S20	0	S18 and "analog switch"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/22 14:11
S21	0	S18 and "analog switch"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/22 14:11
S22	18	S17 and "analog switch"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/22 16:06
S23	0	("2004/0158148").URPN.	USPAT	OR	OFF	2006/09/22 14:20
S24	1665	S17 and analog switch and "bias power source"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/22 15:00
S25	160125	ultrasonic or ultrasound same (equipment or device or system)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/22 16:00
S26	2270	((ultrasonic or ultrasound) same (apparatus or device or equipment or system)) and (analog and switch) and (transmitter and power and source) and (bias power source)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/22 16:03
S27	534	((ultrasonic or ultrasound) same (apparatus or device or equipment or system)) and (analog and switch) and (transmitter and power and source) and (bias and power and source)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/22 16:05
S28	534	((ultrasonic or ultrasound) same (apparatus or device or equipment or system)) and ((analog and switch) and (transmitter and power and source) and (bias and power and source))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/22 16:05
S29	1	S17 and "analog switch" and "transmitter power source" and "bias power source"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/22 16:08
S30	1	S17 and "transmitter power source"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/22 16:08
S31	0	("2004/0158148").URPN.	USPAT	OR	OFF	2006/09/22 16:08
S32	0	("2004/0158148").URPN.	USPAT	OR	OFF	2006/09/22 16:34
S33	0	(ultrasonic and diagnostic and apparatus) same (analog and switch) same (transmitter and power and source) same (bias and power and source)	USPAT	OR	OFF	2006/09/22 16:35

## EAST Search History

S34	0	(ultrasonic same diagnostic same apparatus) and (analog same switch) and (transmitter same power same source) and (bias same power same source)	USPAT	OR	OFF	2006/09/22 16:36
S35	0	(ultrasonic adj diagnostic adj apparatus) and (analog near switch) and (transmitter near power near source) and (bias near power near source)	USPAT	OR	OFF	2006/09/22 16:39
S36	4	(ultrasonic adj diagnostic adj apparatus) and analog and transmitter and bias	USPAT	OR	OFF	2006/09/22 16:43
S37	6	(ultrasonic adj apparatus) and analog and transmitter and bias	USPAT	OR	OFF	2006/09/22 16:43
S38	494	(ultrasonic and apparatus) and analog and transmitter and bias	USPAT	OR	OFF	2006/09/22 16:43
S39	0	("2002/0165452").URPN.	USPAT	OR	OFF	2006/09/25 12:51
S40	0	("6752761").URPN.	USPAT	OR	OFF	2006/09/25 12:53
S41	10	("4092867"   "4872145"   "5509413"   "5542425"   "5610509"   "5640960"   "5928169"   "6375619"   "6398734"   "6499348").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 12:53
S42	2	("6375619").URPN.	USPAT	OR	OFF	2006/09/25 12:54
S43	3	("5542425"   "5855556"   "6261297").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 12:54
S44	24	("2874336"   "3474380"   "3755635"   "3868549"   "3898561"   "3960428"   "4071722"   "4407298"   "4628392"   "4687004"   "4709294"   "4768496"   "4811740"   "4915639"   "4937403"   "5135410"   "5222164"   "5256076"   "5259778"   "5310352"   "5387190"   "5418404").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 12:59
S45	3	("5855556").URPN.	USPAT	OR	OFF	2006/09/25 12:59
S46	3	("5542425"   "5855556"   "6261297").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 13:00
S47	14	("3693613"   "4156187"   "5139509"   "5154696"   "5160317"   "5279547"   "5342293"   "5520633"   "5569188"   "5700240"   "5733256"   "5766146"   "5865790"   "6083193").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 13:01
S48	0	("6752761").URPN.	USPAT	OR	OFF	2006/09/25 13:02

## EAST Search History

S49	10	("4092867"   "4872145"   "5509413"   "5542425"   "5610509"   "5640960"   "5928169"   "6375619"   "6398734"   "6499348").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 13:02
S50	3	("5610509").URPN.	USPAT	OR	OFF	2006/09/25 13:06
S51	4	("5022406"   "5156157"   "5188106"   "5287111").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 13:08
S52	2	("6375619").URPN.	USPAT	OR	OFF	2006/09/25 13:13
S53	2	("6375619").URPN.	USPAT	OR	OFF	2006/09/25 13:13
S54	3	("5542425"   "5855556"   "6261297").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 13:13
S55	3	("5542425"   "5855556"   "6261297").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 13:14
S56	2	("6375619").URPN.	USPAT	OR	OFF	2006/09/25 13:19
S57	1	10/116476	USPAT	OR	OFF	2006/09/25 13:20
S58	2263	600/437	USPAT	OR	OFF	2006/09/25 13:20
S59	704	600/437 and "switch"	USPAT	OR	OFF	2006/09/25 13:20
S60	160	600/437 and "switch" and power adj (source or supply)	USPAT	OR	OFF	2006/09/25 13:24
S61	115	(600/437 and ultrasound) and "switch" and power adj (source or supply)	USPAT	OR	OFF	2006/09/25 13:25
S62	0	("6752761").URPN.	USPAT	OR	OFF	2006/09/25 14:22
S63	10	("4092867"   "4872145"   "5509413"   "5542425"   "5610509"   "5640960"   "5928169"   "6375619"   "6398734"   "6499348").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 14:22
S64	28	("3612778"   "3683402"   "3979711"   "4064549"   "4277814"   "4295376"   "4398426"   "4420790"   "4490773"   "4517622"   "4558184"   "4617606"   "4636714"   "4866988"   "4896100"   "4906586"   "4987782"   "5028876"   "5051937"   "5161128"   "5349865"   "5377524"   "5677965"   "5708368"   "5750904"   "5804736"   "6028615"   "6151967").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 14:22

## EAST Search History

S65	10	("4092867"   "4872145"   "5509413"   "5542425"   "5610509"   "5640960"   "5928169"   "6375619"   "6398734"   "6499348").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 14:30
S66	1	"bias power source generating circuit"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 14:30
S67	1	"bias power source generating circuit"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/25 14:31
S68	3874	"bias power source"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/25 14:31
S69	2996	"bias power source" and voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/25 14:35
S70	3320	bias adj power adj (source or supply) and circuit and voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/25 14:46
S71	1331	bias adj power adj (source or supply) and circuit and voltage and positive and negative	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/25 15:10
S72	780	(ultrasound and (apparatus or device)) and (analog and switch) and (power adj source)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/25 15:12
S73	10	("4092867"   "4872145"   "5509413"   "5542425"   "5610509"   "5640960"   "5928169"   "6375619"   "6398734"   "6499348").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 15:26
S74	2892	600/437	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/25 15:27

## EAST Search History

S75	18	S74 and "analog switch"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/25 15:30
S76	24	S74 and ((analog or matrix) adj switch)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/25 16:49
S77	1590	(600/443).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/25 16:50
S78	1874	600/443	USPAT	OR	OFF	2006/09/25 16:51
S79	2110	600/443	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/25 16:53
S80	164	600/443 and ultrasound and power adj (source or supply)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/25 17:13
S81	9297207	higher level switching bias power source	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/25 17:17
S82	12170301	high level switching power supply	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/25 17:18
S83	2	"high level switching power supply"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/25 17:19
S84	2895	600/437	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/26 08:04

## EAST Search History

S85	371	S84 and power adj (supply or source)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/26 08:07
S86	12	S84 and (power adj (supply or source)) and (analog adj (switch or switches or switching))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/26 08:12
S87	15	S84 and ((power or voltage) adj (supply or source)) and (analog adj (switch or switches or switching))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/26 08:23
S88	4533	600/437 or 600/443 or 600/447 or 600/455 or 600/458	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/26 08:22
S89	10258	600/437 or 600/443 or 600/447 or 600/455 or 600/458 or 600/463 or 600/466 or 128/916 or 73/625 or 310/314 or 310/317 or 310/318 or 310/319 or 310/334 or 310/336	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/26 16:28
S90	58	S84 and ((power or voltage) adj (supply or source)) and ((analog or T/R or trasmit/receive) with (switch or switches or switching))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/26 16:24
S91	58	S89 and S90	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/26 08:25
S92	0	("2005/0154300").URPN.	USPAT	OR	OFF	2006/09/26 14:13
S93	10	("6050945").URPN.	USPAT	OR	OFF	2006/09/26 14:35
S94	10	("6050945").URPN.	USPAT	OR	OFF	2006/09/26 14:40
S95	7	("6050945").URPN. and switch and ((voltage or power) adj (source or supply))	USPAT	OR	OFF	2006/09/26 14:45
S96	0	10/749977	USPAT	OR	OFF	2006/09/26 14:45
S97	0	(10/749977).CCLS.	USPAT; USOCR	OR	OFF	2006/09/26 14:45

## EAST Search History

S98	1	10/749977	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/26 14:49
S99	10	"5603324"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/26 14:49
S10 0	1	("5603324").PN.	USPAT; USOCR	OR	OFF	2006/09/26 14:52
S10 1	7	"5603324" and ((voltage or power) adj (source or supply)) and switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/26 14:53
S10 2	1	(ultrasound or ultrasonic) and (device or apparatus or transducer or probe) and (analog adj switch) and (transmitter adj (power or voltage) adj (source or supply)) and ("low power consumption")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/26 16:27
S10 3	10643	600/437 or 600/443 or 600/447 or 600/455 or 600/458 or 600/463 or 600/466 or 128/916 or 73/625 or 73/626 or 310/314 or 310/317 or 310/318 or 310/319 or 310/334 or 310/336	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/26 16:30
S10 4	1601	(ultrasound or ultrasonic) and (low adj power adj consumption)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/26 16:32
S10 5	54	S103 and (ultrasound or ultrasonic) and (low adj power adj consumption)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/26 16:32
S10 6	9	ultraso\$7 and (bias adj power) and (analog same switch)	USPAT	OR	OFF	2006/09/28 08:00
S10 7	3	ultraso\$7 and (bias adj power) and ((analog adj switch) or (high adj voltage adj switch) or (matrix adj switch))	USPAT	OR	OFF	2006/09/28 08:01
S10 8	5	ultraso\$7 and (bias adj power) and ((analog adj switch) or (high adj voltage adj switch) or (matrix adj switch))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/28 08:19



## EAST Search History

S10 9	10	("4092867"   "4872145"   "5509413"   "5542425"   "5610509"   "5640960"   "5928169"   "6375619"   "6398734"   "6499348").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 08:16
S11 0	0	("4092867"   "4872145"   "5509413"   "5542425"   "5610509"   "5640960"   "5928169"   "6375619"   "6398734"   "6499348").PN. and (ultraso\$7 and (bias adj power) and ((analog adj switch) or (high adj voltage adj switch) or (matrix adj switch)))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 08:09
S11 1	3	("5542425"   "5855556"   "6261297").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 08:11
S11 2	1	("5542425"   "5855556"   "6261297").PN. and (power same supply)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 08:11
S11 3	99	ultraso\$7 and (bias same power same source) and ((analog same switch) or (high same voltage same switch) or (matrix same switch))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/28 08:49
S11 4	8	("5471723"   "5619476"   "5870351"   "5894452"   "5982709"   "6004832"   "6292435"   "6461299").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 08:38
S11 5	3	ultraso\$7 and (bias same power same source) and ((analog same switch) or (high same voltage same switch) or (matrix same switch)) and (charge adj pump)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/28 08:50
S11 6	14	ultraso\$7 and (bias adj power) and (analog same switch)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/28 08:54
S11 7	7	"6645145"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/28 09:37
S11 8	26	"5964708"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/28 09:46
S11 9	0	"5964708" and "charge pump"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/28 09:47

## EAST Search History

S12 0	0	S117 and "charge pump"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/28 09:47
S12 1	2	"20060084875"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 08:31
S12 2	0	("2006/0084875").URPN.	USPAT	OR	OFF	2006/09/29 08:30
S12 3	66	(ultrasound or ultrasonic) and (bias with (voltage or source or supply)) and cMUT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 12:03
S12 4	11	("6328697").URPN.	USPAT	OR	OFF	2006/09/29 09:12
S12 5	21	("4262399"   "4432007"   "5415175"   "5438998"   "5479042"   "5582177"   "5619476"   "5651365"   "5701901"   "5724976"   "5743855"   "5744898"   "5760530"   "5792058"   "5870351"   "5876345"   "5894452"   "5982709"   "6004832"   "6251074"   "6328697").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/29 09:14
S12 6	2	"2002158299"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 09:52
S12 7	45	amemiya.in. and ultrasonic and diagnostic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 09:38
S12 8	50942	amemiya.in. and ultrasonic and diagnostic and order and reduce adn size and reduction with apparatus	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 09:38
S12 9	30655	amemiya.in. and ultrasonic and diagnostic and order and reduce adn size and reduction and independently and voltages	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 09:38

## EAST Search History

S13 0	0	amemiya.in. and "ultasonic diagnostic apparatus"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 09:39
S13 1	0	amemiya.in. and "in order to reduce the number of components"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 09:39
S13 2	2	"6752761"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 09:39
S13 3	3	castro.in. and simas.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 10:13
S13 4	2	"6752761"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 10:13
S13 5	0	"6752761" and "charge pump"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 10:13
S13 6	100	"DC bias circuitry"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 12:13
S13 7	16853	(bias with (circuit or circuitry)) and ((drive or transmit or transmitter) with (source or level))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 12:14
S13 8	103	(bias with (circuit or circuitry)) and ((drive or transmit or transmitter) with (source or level)) and ultrasound	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 12:14
S13 9	72	(bias with (circuit or circuitry)) and ((drive or transmit or transmitter) with (source or level)) and ultrasound and switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 13:25

## EAST Search History

S14 0	0	angelson.in. and savord.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 12:37
S14 1	115	angelson.in. savord.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 12:37
S14 2	4	"bias power source" same "charge pump"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 13:58
S14 3	7	"cMUT" and (power adj source) and bias	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 15:37
S14 4	3	cMUT and (alternating same power same source)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 15:57
S14 5	2	"6795374"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 15:58
S14 6	0	S145 and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 15:58
S14 7	7	"6645145"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 15:58
S14 8	2	"6645145" and diagnostic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 15:59
S14 9	2	"6645145" and diagnostic and medical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 15:59

## EAST Search History

S15 0	1	"6645145" and diagnostic and medical and dreschel.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 15:59
S15 1	0	S150 and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 16:00
S15 2	51	fraser.in. and capacitive	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 16:01
S15 3	10	fraser.in. and capacitive and "ultrasonic transducer"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 16:10
S15 4	0	fraser.in. and capacitive and "ultrasonic transducer" and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 16:12
S15 5	25	ronald.in. and bax.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 16:12
S15 6	1	ronald.in. and bax.in. and "6572546 B1"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 16:13
S15 7	1	S156 and bias	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 16:15
S15 8	0	S156 and bias and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 16:15
S15 9	2	kawagishi.in. and "6635018 B2"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 16:18

## EAST Search History

S16 0	0	S159 and bias	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 16:16
S16 1	0	S159 and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 16:19
S16 2	2	"6752761 B2"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 16:19
S16 3	2	S162 and bias	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 16:19
S16 4	0	S162 and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/29 16:20
S16 5	2	nakamura.in. and "4563899"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 09:44
S16 6	2	ramos.in. and fernandez.in. and "5592031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 10:37
S16 7	2	tanimoto.in. and "6798274"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 09:49
S16 8	3	wodnicki.in. and "6759888"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 09:36
S16 9	1	2004-591012.NRAN.	DERWENT	OR	OFF	2006/10/02 09:13

## EAST Search History

S17 0	0	amemiya.in. and "10772879"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 09:37
S17 1	145	amemiya.in. and shinichi.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 09:38
S17 2	28	amemiya.in. and shinichi.in. and ultrasonic and diagnostic and apparatus	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 09:39
S17 3	0	ramos.in. and fernandez.in. and "5592031" and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 09:42
S17 4	0	nakamura.in. and "4563899" and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 09:44
S17 5	3	sato.in. and "5469484"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 09:49
S17 6	3	sato.in. and "5469484" and (pump or booster)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 10:08
S17 7	2	beiley.in. and "5939936"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 09:52
S17 8	0	beiley.in. and "5939936" and (pump or booster)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 09:51
S17 9	2	tanimoto.in. and "6798274"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 09:52

## EAST Search History

S18 0	2	tanimoto.in. and "6798274" and (pump or booster)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 09:52
S18 1	0	sato.in. and "5469484" and (pump or booster) and souce	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 10:08
S18 2	3	sato.in. and "5469484" and (pump or booster) and source	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 10:15
S18 3	0	sato.in. and "5469484" and (pump or booster) and source and bias	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 10:15
S18 4	1	ramos.in. and fernandez.in. and "5592031" and bias	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 14:43
S18 5	23693	barnes.in. adn "6795374"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 12:30
S18 6	2	barnes.in. and "6795374"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 12:30
S18 7	0	barnes.in. and "6795374" and (stability or stable or stabilizing or stabilize)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 12:36
S18 8	0	barnes.in. and "6795374" and (variable or variably)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 12:36
S18 9	1	ramos.in. and fernandez.in. and "5592031" and bias and power	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 14:43



## EAST Search History

S19 0	1	ramos.in. and fernandez.in. and "5592031" and bias and power and switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/02 14:43
S19 1	6	"5592031".pn. or "6795374".pn. or "5469484".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/14 09:17
S19 2	3	(US-6795374-\$ or US-5592031-\$ or US-5469484-\$).did.	USPAT	OR	OFF	2007/02/14 09:19
S19 3	3	(US-6795374-\$ or US-5592031-\$ or US-5469484-\$).did.	USPAT	OR	OFF	2007/02/14 09:19
S19 9	546	(regulator adj circuit) with (power adj source)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/13 08:40
S20 0	1	((regulator adj circuit) with (power adj source)) and ((regulator adj circuit) with capacitor with diode with resistor with inductor)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/13 08:56
S20 1	1	((regulator adj circuit) with (transmitter adj power adj source))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/13 08:56
S20 2	25	((regulator adj circuit) with (power adj source)) and transducer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/13 09:10
S20 3	3	((regulator adj circuit) with (power adj source)) and transducer and diode and capacitor and resistor and inductor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/13 09:59
S20 4	0	((regulator adj circuit) with (power adj source)) and transducer and diode and capacitor and resistor and inductor and ultraso\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/13 09:21
S20 5	19	((regulator) with (power adj source)) and transducer and diode and capacitor and resistor and inductor and ultraso\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/13 09:19
S20 6	42	("20020158299" "20020165452" "4092867" "4563899" "4872145" "5469484" "5509413" "5542425" "5592031" "5610509" "5640960" "5928169" "6310789" "6328697" "6375619" "6398734" "6499348" "6572546" "6635018" "6645145" "6795374").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/13 09:21

## EAST Search History

S208	6	S206 and (regulator)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/13 09:22
S209	3	((regulator adj circuit) with (power adj source)) and transducer and diode and capacitor and resistor and inductor and switch	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/13 09:59
S210	4	((charge adj pump) with (plurality near capacitor near diode))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/13 11:42
S211	5	(US-6795374-\$ or US-5592031-\$ or US-5469484-\$ or US-5375051-\$ or US-5081411-\$).did.	USPAT	OR	OFF	2007/10/15 17:40
S212	1	(US-5081411-\$).did.	USPAT	OR	OFF	2007/10/15 17:39
S213	28743	S212 adn (regulator with circuit)	USPAT	OR	ON	2007/10/15 17:40
S214	1	S212 and (regulator with circuit)	USPAT	OR	ON	2007/10/15 17:47
S215	3	S211 and (regulator with circuit)	USPAT	OR	ON	2007/10/15 17:48
S216	21	("20020158299" "20020165452" "4092867" "4563899" "4872145" "5081411" "5375051" "5469484" "5509413" "5542425" "5592031" "5610509" "5640960" "5928169" "6310789" "6328697" "6375619" "6398734" "6499348" "6572546" "6635018" "6645145" "6795374").PN.	USPAT	OR	ON	2007/10/15 17:48
S217	23	("20020158299" "20020165452" "4092867" "4563899" "4872145" "5081411" "5375051" "5469484" "5509413" "5542425" "5592031" "5610509" "5640960" "5928169" "6310789" "6328697" "6375619" "6398734" "6499348" "6572546" "6635018" "6645145" "6795374").PN.	US-PGPUB; USPAT	OR	ON	2007/10/15 17:48
S218	1	S217 and (regulator adj circuit)	US-PGPUB; USPAT	OR	ON	2007/10/15 17:50
S219	276	ultraso\$7 and (regulator adj circuit)	US-PGPUB; USPAT	OR	ON	2007/10/15 17:50
S220	10	ultraso\$7 and ((regulator adj circuit) same inductor)	US-PGPUB; USPAT	OR	ON	2007/10/15 17:59
S221	66	ultraso\$7 and ((regulator with circuit) same inductor)	US-PGPUB; USPAT	OR	ON	2007/10/15 17:59

## EAST Search History

S22 2	49	ultraso\$7 and ((regulator with circuit) same inductor) and (power with source)	US-PGPUB; USPAT	OR	ON	2007/10/16 09:21
S22 3	10	((first adj inductor) with induce with voltage with (second adj inductor)	US-PGPUB; USPAT	OR	ON	2007/10/16 09:22
S22 4	0	((first adj inductor) with induce with voltage with (second adj inductor)) and ultraso\$7	US-PGPUB; USPAT	OR	ON	2007/10/16 09:22
S22 5	6	((regulator adj circuit) same inductor) and ultraso\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/16 09:43
S22 6	12	((regulator adj circuit) with (multiple or two or second) with inductor) same (power with source)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/23 11:33
S22 7	14	((regulator adj circuit) with (multiple or two or second) with inductor) same (power with source)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/23 11:33
S22 8	0	(ultraso\$7 same switch same (transmi\$6 with power) same (bias with power) same (regulator))	US-PGPUB	OR	ON	2007/11/07 17:07